National Aeronautics and Space Administration

SATERN

System for Administration, Training, and Educational Resources for NASA

UNDERSTANDING SATERN ADMINISTRATOR ROLES AND DOMAINS

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Objectives

Upon completion of this lesson, you will be able to:

- Define a Function
- Define an Entity
- Define a Workflow
- Define a Role
- Define a User
- Define a Domain
- Define a Domain Restriction
- Illustrate the relationships between Domains, Domain Restrictions, Workflows, Roles, and Users

Functions

Functions are **actions** that may be applied to an Entity.

- Search
- View
- Edit
- Copy
- Delete
- Add
- Run

Scheduled Offering ID	Item/Activity	Status	Start Date/Time	
17539	OTHER **NASA-SAS-JSCT** (Rev 7/26/2007 05:10 PM CST)	Full, 0 waitlisted	9/10/2007 01:00 PM CST	View | Edit | Delete | Copy
2007 SATERN ADMINISTRATOR SUMMIT - JSC TOUR				

Entities

Entities are elements of the Learning Program.

- Learner
- Item
- Scheduled Offering
- Curriculum
- Instructor
- Facility
- Location
- Catalog

Workflows

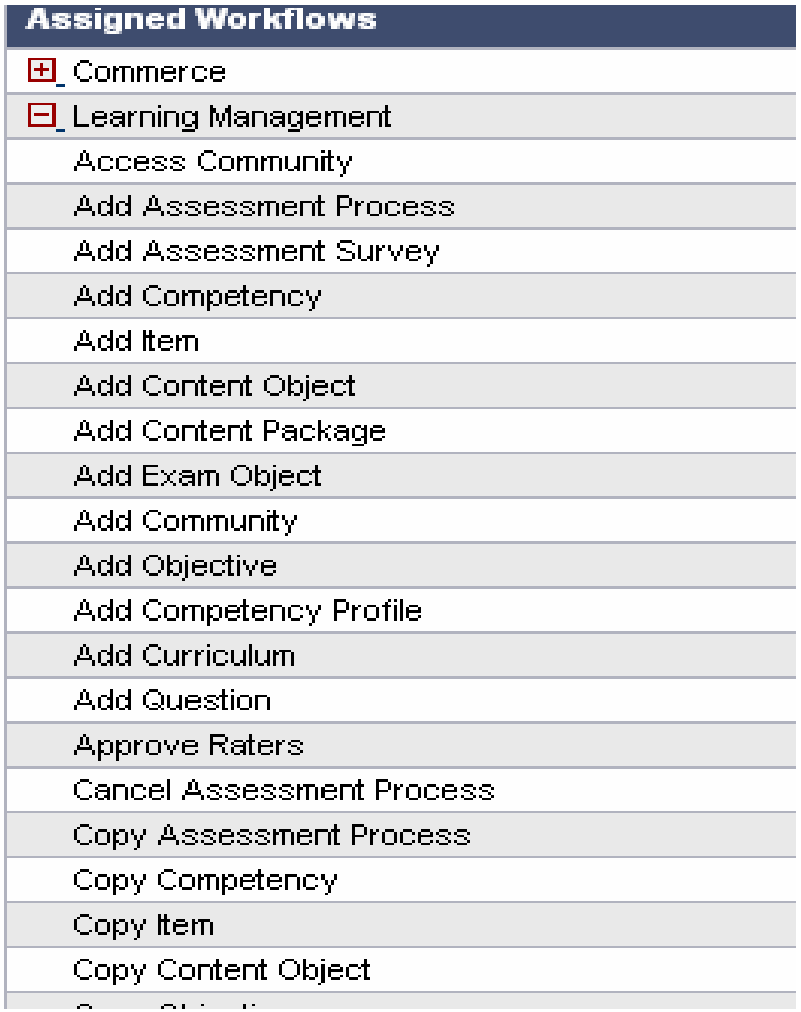
A Workflow is a combination of a Function applied to an Entity.

WORKFLOW	=	FUNCTION	+	ENTITY
▪ Add New Learner		Add		Learner
▪ View Item		View		Item
▪ Delete Learning Event		Delete		Learning Event
▪ Run Class Roster Report		Run		Roster Report
▪ Edit Curriculum		Edit		Curriculum

*Workflows are WHAT a User can do.

Roles

A Role is a combination of one or more Workflows. One or more Roles can be assigned to a User.



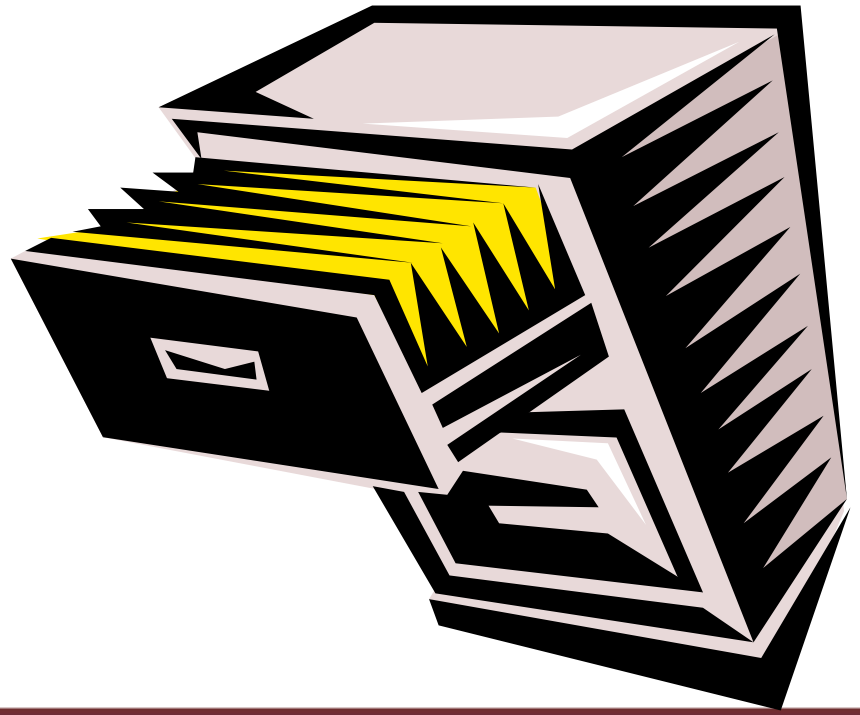
Role

Users

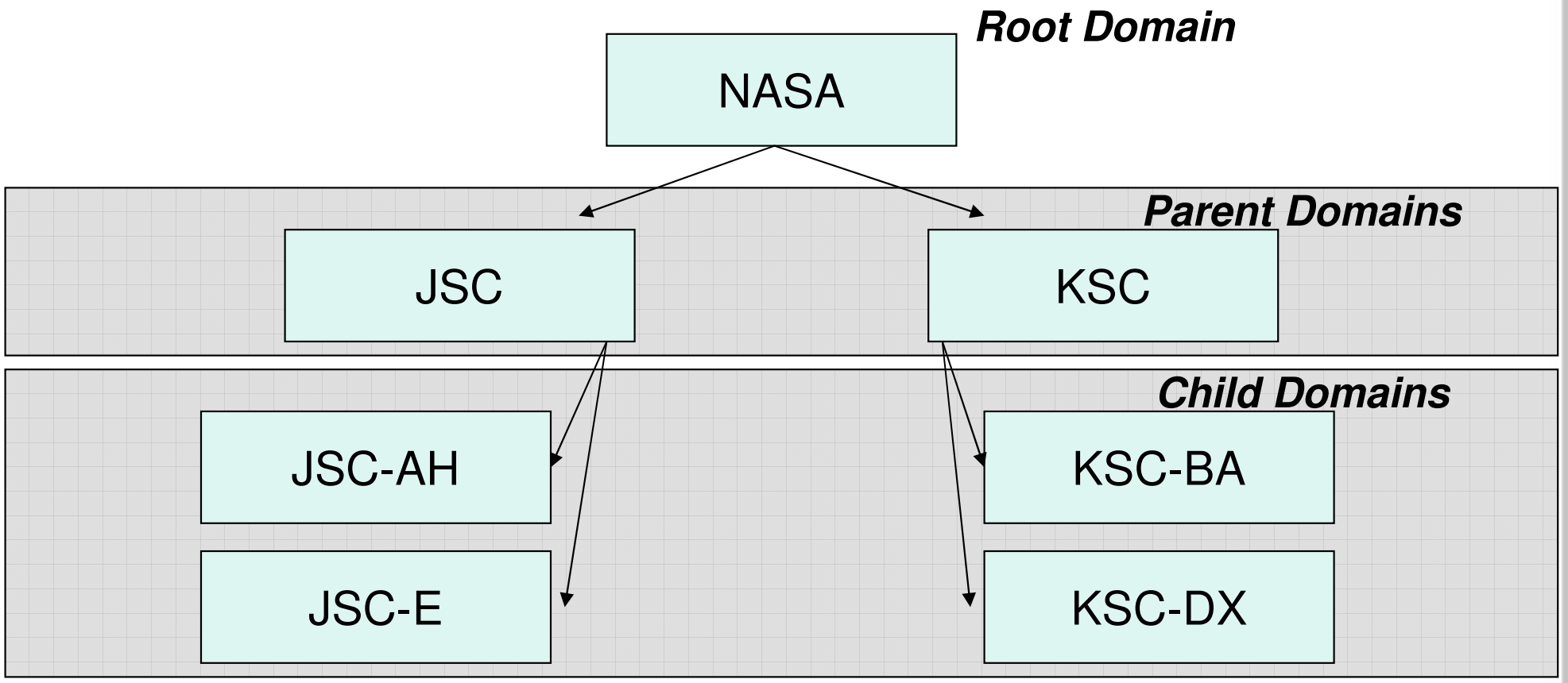
A User is anyone with administrator access to SATERN. A User is assigned one or more Roles.

Domains

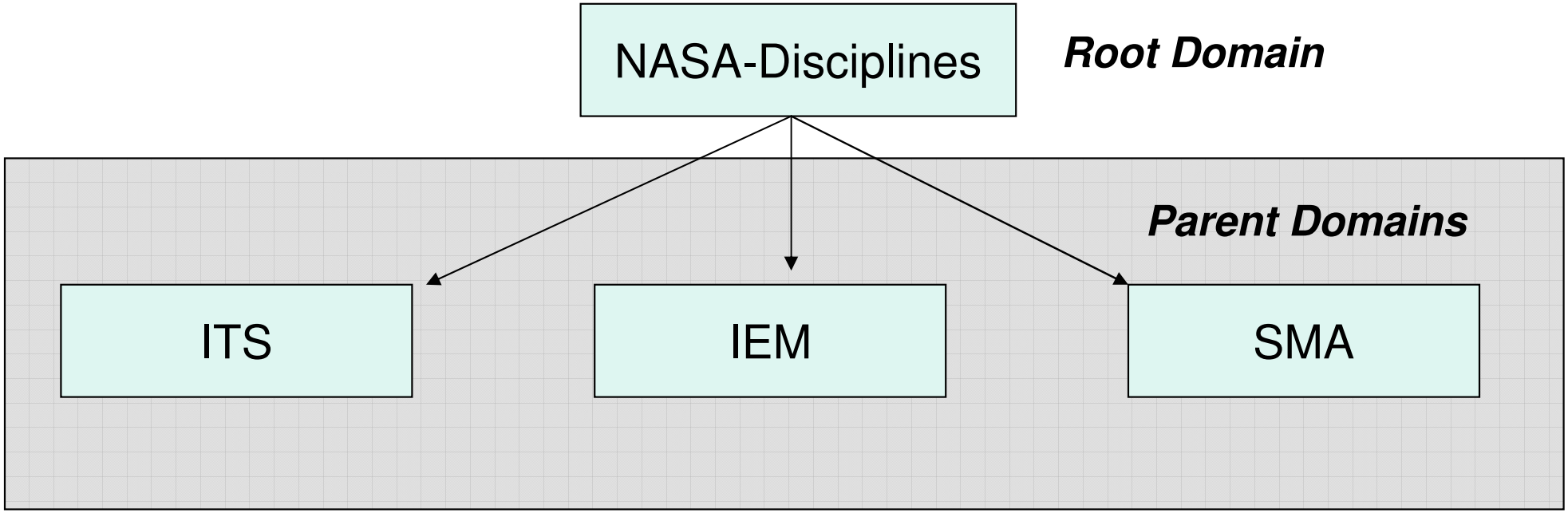
Domains are created by the System Administrator and are used to control access to data. Domains are the “File Cabinets” that hold the Entities in SATERN.



Domain Structure - Center



Domain Structure - Disciplines



Domain Types

- Domain Types are record types which can be assigned to a Domain. If a Domain includes a particular Domain Type, then records of that Domain Type can be assigned that Domain.

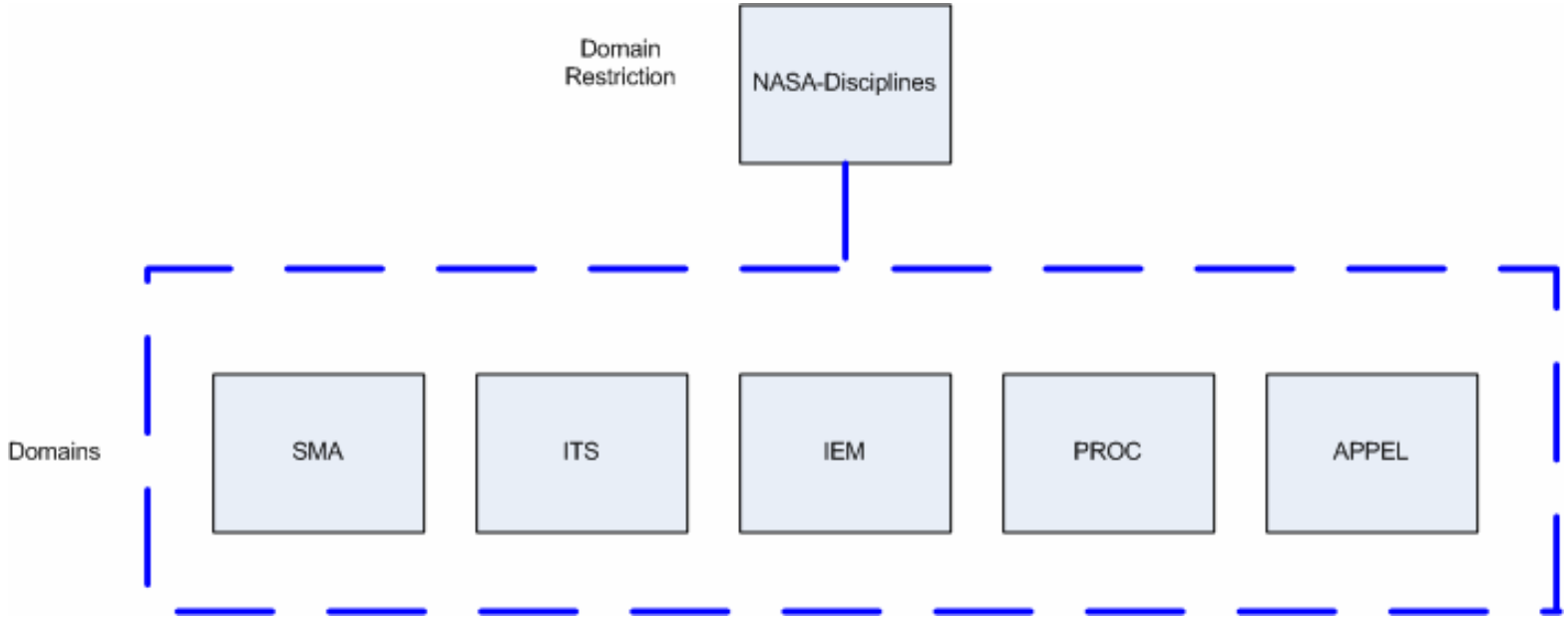
- Domain Types include: Learners, Items, Curricula, Competencies, Scheduled Offerings, Facilities, Locations, Equipment, Instructors, Documents, and Organizations.

- Example: SMA, ITS, and IEM are Item Domain Types.

Domain Restrictions

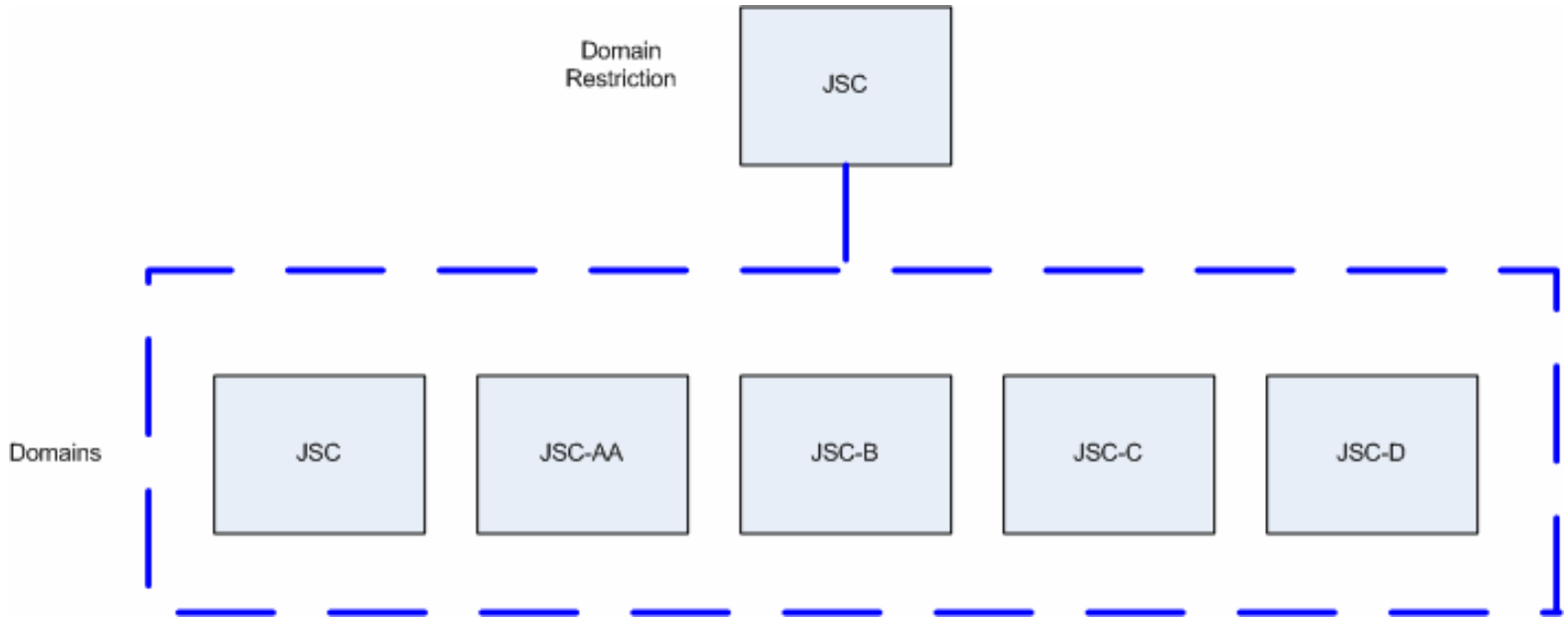
- The Domain Restriction is used to set limitations on Workflows in order for Users to access only Domains that are predefined in the set of restrictions applied.
- Domain Restrictions are the “Keys” that open the “File Cabinets” (Domains).
- Domain Restrictions can be applied to every Workflow.

Sample - NASA-Disciplines Domain Restriction



Using this example, a User with the Workflow "Search Items" with a NASA-Disciplines domain restriction for this Workflow would be able to Search Items in the SMA, ITS, IEM, PROC, and APPEL Domains.

Sample – JSC Domain Restriction



Using this example, a User with the workflow "Search Items" with a JSC domain restriction for this workflow would be able to Search Items in the JSC, JSC-AA, JSC-B, JSC-C, and JSC-D Domains.

Roles

- Using the previous examples, we could create two roles that contain the Workflow “Search Items.” One role would have the NASA-Disciplines Domain Restriction for this Workflow, and the other role would contain the JSC Domain Restriction for this Workflow.
- If both Roles were assigned to a User, the User would be able to Search Items in all domains included in the NASA-Disciplines and JSC Domain Restriction.

Sample Workflows and Domain Restrictions for JSC Level 1 Admin.

Workflow	Function	Entity	Domain Restriction ID	State Restriction
⊞ Commerce				
⊞ Learning Management				
⊞ References Management				
⊞ Reports				
⊞ Resource Management				
⊞ Scheduling Management				
⊞ Search				
⊟ Learner Management				
Add Learning Event	Search	Item Entity	JSC	
Add Learning Event	Search	Scheduled Offering Entity	JSC	
Add Learning Event	Add Learning History	Learner Entity	JSC	
Assign Item To Learner	Assign Item	Learner Entity	JSC	
Assign Curriculum To Learner	Assign Curriculum	Learner Entity	JSC	
Delete Learning Event	Delete Learning History	Learner Entity	JSC	
Edit Item Assigned To Learner	Edit Assigned Item	Learner Entity	JSC	
Edit Learner Approval	Edit	Learner Entity	JSC	
Edit Learning Event	Edit Learning History	Learner Entity	JSC	
Unassign Item From Learner	Unassign Item	Learner Entity	JSC	
Unassign Curriculum From Learner	Unassign Curriculum	Learner Entity	JSC	
View Competency Assessment	View	Learner Entity	JSC	
View Competency Assigned To Learner	View Assigned Competency	Learner Entity	JSC	

SATERN Demo

Let’s tie this all together!

Summary

In this lesson, you learned to:

- Define a Domain
- Define a Domain Restriction
- Define a Workflow
- Define a Role
- Define a User
- Illustrate the relationships between Domains, Domain Restrictions, Workflows, Roles, and Users